

[54] **POWER GENERATION THROUGH
CONTROLLED CONVECTION
(AEROELECTRIC POWER GENERATION)**

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[58] Field of Search **60/641, 398, 682, 650**

[56] **References Cited**

UNITED STATES PATENTS

3,436,908 4/1969 Van Delic..... 60/641

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[57] **ABSTRACT**

A method and means for the generation of power from a controlled air flow, wherein an enclosed air mass is cooled at high altitude below the temperature of the surrounding air. The air is isolated from the surrounding air by means of a large duct. The resulting cooler, denser air flows down the duct toward lower altitude, and the energy of the falling air mass is extracted by means of a turbine generator.

4 Claims, 3 Drawing Figures

